

The burden of chronic disease in our community is undeniable. Nationwide, chronic diseases such as heart disease, stroke, and diabetes cause nearly 70% of all deaths and consume 75% of all health care dollars each year. In Pasco County, greater than 80% of all deaths are associated with chronic disease, many of which share the same known risk factors of physical inactivity, poor nutrition, and tobacco use.

Although chronic diseases are among the most common health problems, they are also among the most preventable. Adopting healthy behaviors such as eating healthy foods, being physically active and avoiding tobacco can significantly reduce the risk of developing a chronic illness.

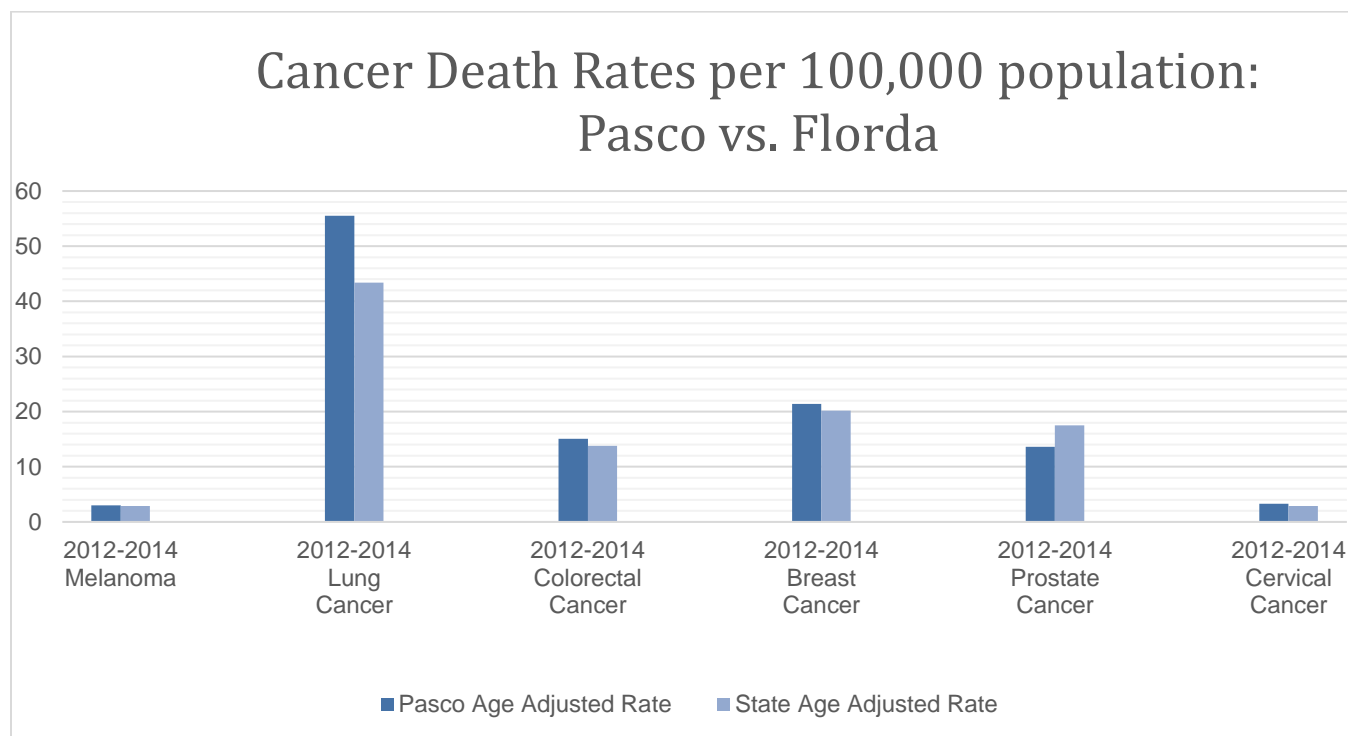
Figure 1: Selected Chronic Disease Death and Hospitalization Rates

Indicator	Year(s)	Avg. Annual Number of Events	Age-Adjusted Rate ¹	Quartile ²	State Age-Adjusted Rate
Coronary Heart Disease					
Deaths	2012-14	800	103.5	2	100.9
Hospitalizations	2012-14	2,406	347.7	3	265.0
Stroke					
Deaths	2012-14	291	37.4	3	32.1
Hospitalizations	2012-14	1,636	229.3	3	215.5
Heart Failure					
Deaths	2012-14	88	10.7	2	10.6
Hospitalizations from congestive heart failure	2012-14	306	41.9	1	65.4
Chronic Lower Respiratory Diseases (CLRD)					
Deaths	2012-14	442	57.5	3	39.8
CLRD Hospitalizations	2012-14	2,489	384.8	3	300.1
Adults who currently have asthma	2013		9.2	3	8.3
Asthma Hospitalizations ³	2012-14	4,167	794.8	4	664.8
Diabetes					
Deaths	2012-14	176	24.1	3	19.6
Hospitalizations ³	2012-14	13,960	2,085.7	3	1909.1

In Pasco County we experience chronic diseases at a higher rate than state averages in all areas except for heart failure hospitalizations. Deaths and hospitalizations for coronary heart disease exceed the state rate with 103.5 per 100,000 age adjusted deaths in Pasco and 347.7 hospitalizations compared to the state age adjusted rates of 100.9 and 265.0 per 100,000. The age adjusted stroke death rate in Pasco is 37.4 per 100,000 versus the states rate of 32.1 and the hospitalization rate is 229.3 verses 215.5 per 100,000. Heart failure deaths occur slightly more frequently in Pasco than the state average. In Pasco the heart failure age adjusted death rate is 10.7 per 100,000 versus the states 10.6. Hospitalizations from congestive heart failure occur at a rate of 41.9 in Pasco compared to the state rate of 65.4. In Pasco deaths from chronic lower respiratory disease occur at an age adjusted rate of 57.5 per 100,000 exceeding the states rate of 39.8. Hospitalizations for CLRD also exceed state rates with Pasco experiencing 384.8 hospitalizations per 100,000 compared to the state rate of 300.1. In Pasco County 9.2% of adults report

having asthma and hospitalizations for asthma occur at a rate of 794.8 per 100,000. In the state of Florida 8.3% of adults report having asthma and hospitalizations for asthma occur at a rate of 664.8 per 100,000. Deaths from diabetes occur at an age adjusted rate of 24.1 per 100,000 compared to the states 19.6. Hospitalizations for diabetes in Pasco occur at an age adjusted rate of 2,085.7 per 100,000 exceeding the state rate of 1909.1.

Figure 2: Cancer Death Rates



When compared to the state for cancer death rates Pasco's age adjusted rates exceed the state for Melanoma, Cervical, Colorectal, Breast and most notably Lung cancers as seen above in Figure 2.

Figure 3: Selected Cancer Deaths and Incidence

Indicator	Year(s)	Avg. Annual Number of Events	Age- Adjusted Rate ¹	Quartile ²	State Age- Adjusted Rate
Melanoma					
Deaths	2012-14	21	3.0	2	2.9
Incidence	2010-12	153	20.0	3	17.5
Lung Cancer					
Deaths	2012-14	417	55.5	3	43.4
Incidence	2010-12	537	67.4	2	58.0
Adults who are current smokers	2013		24.00%	4	16.80%
Colorectal Cancer					
Deaths	2012-14	111	15.1	3	13.8
Incidence	2010-12	270	34.2	2	33.7
Adults 50 years of age and older who received a sigmoidoscopy or colonoscopy in the past five years	2013		59.40%	2	55.30%
Adults 50 years of age and older who received a stool blood test in the past year	2013		18.20%	1	13.90%
Breast Cancer					
Deaths	2012-14	81	21.4	3	20.2
Incidence	2010-12	352	81.0	2	90.4
Prostate Cancer					
Deaths	2012-14	47	13.6	1	17.5
Incidence	2010-12	354	107.3	2	114.6
Cervical Cancer					
Deaths	2012-14	9	3.3	3	2.9
Incidence	2010-12	24	5.6	2	6.1
Women 18 years of age and older who received a Pap test in the past year	2013		41.50%	4	51.40%

In Pasco colorectal cancer deaths occur at an age adjusted rate of 15.1 per 100,000, slightly higher than the states rate of 13.8. Pasco is slightly higher than the state age adjusted incidence rate for colorectal cancer at 34.2 per 100,000 compared to 33.7 for the state. In Pasco the percentage of adults 50 years of age and older who received a sigmoidoscopy or colonoscopy in the past 5 years is 59.4% exceeding the states 55.3%. In Pasco 18.2% of adults 50 years of age and older report receiving a stool blood test in the past year exceeding the states 13.9%.

Figure 3 continued: Breast cancer age adjusted death rates in Pasco is 21.4 per 100,000, slightly higher than the states 20.2. The breast cancer incidence rate in Pasco is 81.0 compared to the states rate of 90.4. Prostate cancer death rates in Pasco are 13.6 per 100,000 compared to the states rate of 17.5 however the incidence rate for Pasco is more similar to the state with Pasco at 104.3 per 100,000 compared to the states rate of 114.6. Cervical cancer death rates in Pasco occur at a rate of 3.3 per 100,000 compared to the states rate of 2.9. The incidence rate for cervical cancer is 5.6 in Pasco and 6.1 per 100,000 for the state. According to the Behavioral Risk Factor Surveillance System 41.5% of Pasco women 18 years of age and older received a Pap test in the past year falling lower than the state at 51.4%.

Notes

¹ Trends not available for BRFSS data. Age-adjusted cancer incidence rates are not displayed for fewer than 10 cases.

² Quartiles in this report allow you to compare health data from one county to another in the state. Quartiles are calculated by ordering an indicator from most favorable to least favorable by county and dividing the list into 4 equal-size groups. In this report, a low quartile number (1) always represents more favorable health situations while fours (4) represent less favorable situations.

³ Includes primary and contributing diagnoses.

Data Sources

Deaths - Florida Department of Health, Bureau of Vital Statistics

Behavioral Risk Factor Surveillance System (BRFSS) - Florida Department of Health, Bureau of Epidemiology

Hospitalizations - Florida Agency for Health Care Administration (AHCA)

Cancer Incidence - University of Miami (FL) Medical School, Florida Cancer Data System